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SEP 16 1976

R. B. SELIGMAN

TOBACCO INSTITUTE TESTING LABORATORY  
TAR AND NICOTINE  
SUMMARIES  
MARKET SAMPLE NO. 19

PM3000763478

TAR AND NICOTINE VALUES  
BY COMPANY

PM3000763479

<u>Philip Morris</u>	<u>Tar mg/cigt.</u>	<u>Nicotine mg/cigt.</u>
Alpine KFM	14.6±0.2	0.89±0.02
Benson & Hedges RF	9.5±0.3	0.61±0.02
Benson & Hedges KF	15.6±0.3	1.09±0.02
Benson & Hedges 100's FHP	17.3±0.3	1.09±0.02
Benson & Hedges 100's FSP	17.4±0.4	1.08±0.02
Benson & Hedges 100's FMHP	16.8±0.3	1.06±0.01
Benson & Hedges 100's FMSP	17.5±0.3	1.10±0.02
English Ovals RNF	23.6±0.5	1.81±0.05
English Ovals KNF	30.6±0.5	2.33±0.04
Galaxy KF	15.2±0.2	0.98±0.02
Marlboro KFHP	17.1±0.3	1.06±0.02
Marlboro KFSP	18.2±0.4	1.12±0.02
Marlboro KFMHP	14.1±0.2	0.80±0.02
Marlboro KFMSF	14.6±0.2	0.88±0.02
Marlboro 100 FHP	17.8±0.3	1.12±0.02
Marlboro 100 FSP	17.5±0.3	1.12±0.02
Marlboro Lights KF	13.5±0.3	0.86±0.02
Merit KF	8.3±0.2	0.58±0.01
Merit KFM	8.3±0.2	0.58±0.01
Miyako KF	14.5±0.3	0.98±0.03
Multifilter KF	12.9±0.4	0.86±0.02
Multifilter KFM	10.7±0.2	0.71±0.02
Parliament KFHP	14.0±0.2	0.82±0.02
Parliament KFSP	14.7±0.2	0.86±0.02
Parliament 100 F	15.9±0.4	0.98±0.03
Philip Morris RNF	20.8±0.4	1.16±0.04
Philip Morris Commander KNF	25.3±0.4	1.46±0.03
Philip Morris Int. 100 F	17.9±0.3	1.13±0.02
Philip Morris Int. 100 FM	16.6±0.2	1.01±0.02
Players RNF	35.0±0.5	2.48±0.07
Saratoga 120 F	16.2±0.3	1.06±0.02
Saratoga 120 FM	16.9±0.3	1.09±0.02
Virginia Slims 100 F	15.9±0.2	0.98±0.02
Virginia Slims 100 FM	15.7±0.2	0.96±0.02
Virginia Slims 120 F	17.1±0.5	1.11±0.03
Virginia Slims 120 FM	14.8±0.7	1.03±0.01

PM3000763480

<u>American Brands</u>	<u>Tar mg/cigt.</u>	<u>Nicotine mg/cigt.</u>
American Longs 120 F	19.5±0.5	1.52±0.04
American Longs 120 FM	16.9±0.7	1.33±0.04
Bull Durham KF	29.8±0.4	1.97±0.03
Carlton 70's RF	0.2±0.1	0.04±0.01
Carlton KF (mixed)	2.5±0.3	0.23±0.03
Carlton KFM (mixed)	2.7±0.3	0.24±0.03
Carlton KF (2 mg)	1.3±0.1	0.13±0.02
Carlton KFM (2 mg)	0.8±0.1	0.10±0.01
Carlton KF (5 mg)	3.7±0.3	0.33±0.02
Carlton KFM (5 mg)	3.7±0.3	0.34±0.02
Half & Half KF	24.9±0.3	1.87±0.03
Herbert Tareyton KNF	28.4±0.5	1.85±0.04
Iceberg 100's FM	8.8±0.2	0.68±0.03
Long Johns 120 F	18.6±0.4	1.46±0.02
Long Johns 120 FM	15.8±0.3	1.29±0.03
Lucky Strike RNF	25.4±0.4	1.56±0.03
Lucky Strike Filter KF	25.2±0.4	1.65±0.02
Lucky Ten KF	9.3±0.2	0.68±0.02
Lucky 100's F	9.0±0.3	0.68±0.01
Montclair KFM	18.1±0.5	1.32±0.04
Pall Mall KNF	27.1±0.5	1.73±0.03
Pall Mall KFHP	23.6±0.4	1.61±0.02
Pall Mall KFSP	18.3±0.3	1.27±0.02
Pall Mall 100 F	18.9±0.3	1.44±0.02
Pall Mall 100 FM	15.5±0.3	1.21±0.02
Pall Mall Extra Mild KFHP	7.6±0.2	0.65±0.01
Pall Mall Extra Mild KFSP	9.8±0.3	0.74±0.02
Silva Thins 100 F	16.1±0.2	1.26±0.02
Silva Thins 100 FM	15.3±0.4	1.15±0.03
Super M 100 FM	16.7±0.3	1.21±0.02
Tall 120 F	20.9±0.4	1.64±0.03
Tall 120 FM	18.2±0.5	1.52±0.05
Tareyton KF	20.1±0.3	1.42±0.02
Tareyton 100 F	19.3±0.4	1.41±0.03
Twist 100 FM	17.0±0.3	1.34±0.02

PM3000763481

<u>Brown &amp; Williamson</u>	<u>Tar mg/cigt.</u>	<u>Nicotine mg/cigt.</u>
Belair KFM	14.6±0.2	1.04±0.03
Belair 100 FM	17.6±0.4	1.35±0.03
Du Maurier KF	15.6±0.3	1.09±0.03
Fact KF	14.3±0.3	1.04±0.02
Fact KFM	12.7±0.2	0.95±0.02
Kool RNFM	21.4±0.8	1.34±0.04
Kool KFMHP	17.1±0.3	1.40±0.03
Kool KFMSP	16.8±0.3	1.38±0.02
Kool 100 FM	18.0±0.4	1.37±0.03
Kool Milds KFM	13.6±0.2	0.93±0.02
Phoenix 120 F	19.5±0.5	1.34±0.05
Phoenix 120 FM	19.4±0.5	1.32±0.04
Raleigh KNF	25.5±0.6	1.57±0.04
Raleigh KF	15.9±0.3	1.11±0.03
Raleigh 100 F	18.0±0.4	1.30±0.04
Raleigh Extra Mild KF	13.7±0.3	1.02±0.03
Vanguard KF	15.7±0.4	1.09±0.03
Viceroy KF	15.6±0.2	1.09±0.02
Viceroy 100 F	17.7±0.4	1.29±0.03
Viceroy Extra Mild KF	13.5±0.3	1.03±0.02

PM3000763482

<u>Liggett &amp; Myers</u>	<u>Tar mg/cigt.</u>	<u>Nicotine mg/cigt.</u>
Chesterfield RNF	24.7±0.6	1.45±0.04
Chesterfield KNF	28.8±0.5	1.73±0.03
Chesterfield KF	18.4±0.3	1.18±0.02
Chesterfield 101 F	17.8±0.5	1.15±0.03
Eagle 20's KF	18.3±0.3	1.15±0.02
Eagle 20's KFM	18.6±0.4	1.19±0.03
Eve 100 F	16.5±0.3	1.09±0.02
Eve 100 FM	17.3±0.4	1.13±0.03
Eve 120's F	14.5±0.4	1.07±0.02
Eve 120's FM	14.9±0.3	1.07±0.02
Fatima KNF	28.2±0.5	1.67±0.03
Home Run RNF	20.9±0.5	1.63±0.03
L & M KFHP	16.5±0.3	1.03±0.02
L & M KFSP	18.5±0.3	1.17±0.02
L & M 100 F	17.7±0.4	1.16±0.03
L & M 100 FM	18.1±0.4	1.16±0.03
Lark KF	17.5±0.3	1.16±0.03
Lark 100 F	19.4±0.3	1.28±0.02
Oasis KFM	18.5±0.4	1.15±0.02
Picayune RNF	20.7±0.4	1.59±0.03
Piedmont RNF	25.7±0.4	1.46±0.04
St. Moritz 100 F	17.3±0.4	1.14±0.03
St. Moritz 100 FM	17.5±0.2	1.13±0.02
Vello KF	10.5±0.3	0.74±0.02
Vello KFM	9.9±0.2	0.71±0.01

PM3000763483

<u>Lorillard</u>	<u>Tar mg/cigt.</u>	<u>Nicotine mg/cigt.</u>
Kent KFHP	15.0±0.3	0.94±0.02
Kent KFSP	15.9±0.2	1.02±0.02
Kent 100 F	18.0±0.3	1.16±0.02
Kent 100 FM	16.5±0.3	1.09±0.02
Kent Golden Lights KF	8.3±0.3	0.67±0.03
L. T. Brown 120 F	19.1±0.5	1.49±0.02
L. T. Brown 120 FM	19.5±0.3	1.47±0.03
Max 120 F	16.3±0.5	1.26±0.04
Max 120 FM	16.4±0.3	1.23±0.02
Newport KFMHP	17.6±0.3	1.24±0.03
Newport KFMSF	18.1±0.5	1.29±0.03
Newport 100 FM	19.5±0.4	1.44±0.03
Old Gold Straights RNF	19.7±0.4	1.19±0.03
Old Gold Straights KNF	24.4±0.3	1.48±0.03
Old Gold Filters KFHP	16.6±0.2	1.25±0.02
Old Gold Filters KFSP	17.1±0.4	1.12±0.03
Old Gold 100's F	20.5±0.4	1.37±0.03
Spring 100's FM	18.1±0.4	1.04±0.03
True KF	11.1±0.3	0.68±0.02
True KFM	11.1±0.2	0.68±0.02
True 100's F	13.7±0.3	0.84±0.04
True 100's FM	13.2±0.3	0.81±0.02
Zack KFHP	17.8±0.3	1.23±0.02
Zack KFSP	17.6±0.2	1.26±0.02
Zack KFM	16.8±0.2	1.21±0.02

PM3000763484

<u>R. J. Reynolds</u>	<u>Tar</u> <u>mg/cigt.</u>	<u>Nicotine</u> <u>mg/cigt.</u>
Camel RNF	23.9±0.5	1.56±0.03
Camel KFHP	18.6±0.3	1.25±0.03
Camel KFSP	18.5±0.3	1.28±0.02
Dawn 120 F	20.7±0.4	1.54±0.03
Dawn 120 FM	21.7±0.4	1.64±0.03
Doral KF	12.7±0.3	0.90±0.02
Doral KFM	11.9±0.4	0.87±0.02
More 120 F	21.8±0.5	1.61±0.04
More 120 FM	22.5±0.4	1.73±0.04
Now KF	1.6±0.1	0.15±0.01
Now KFM	1.7±0.2	0.15±0.01
Salem KFMHP	18.9±0.3	1.26±0.04
Salem KFMSP	18.2±0.4	1.20±0.02
Salem 100 FM	18.2±0.3	1.28±0.02
Salem Lights KFM	11.6±0.3	0.82±0.04
Tempo KF	8.1±0.4	0.60±0.03
Vantage KF	10.8±0.3	0.74±0.01
Vantage KFM	10.7±0.2	0.78±0.01
Winston KFHP	19.5±0.4	1.29±0.03
Winston KFSP	19.0±0.3	1.30±0.02
Winston 100 F	18.8±0.3	1.31±0.03
Winston 100 FM	18.2±0.2	1.26±0.02
Winston Lights KF	13.0±0.3	0.94±0.02



<u>U. S. Tobacco</u>	<u>Tar mg/cigt.</u>	<u>Nicotine mg/cigt.</u>
Domino KNF	34.0±0.7	1.56±0.04
Domino KF	21.8±0.5	1.19±0.04
King Sano KF	7.0±0.3	0.39±0.01
King Sano KFM	7.4±0.4	0.37±0.02
Mapleton RNF	28.0±0.4	1.34±0.03
Mapleton KF	21.5±0.5	1.14±0.03
Sano RNF	18.4±0.4	0.69±0.02
Stratford KNF	29.2±0.4	1.13±0.03
Stratford KF	25.2±0.4	1.36±0.03

PM3000763486

TAR AND NICOTINE VALUES  
ALPHABETICAL LISTING

PM3000763487


<u>BRAND</u>	<u>Tar mg/cigt.</u>	<u>Nicotine mg/cigt.</u>
Alpine KFM	14.6±0.2	0.89±0.02
American Longs 120 F	19.5±0.5	1.52±0.04
American Longs 120 FM	16.9±0.7	1.33±0.04
Belair KFM	14.6±0.2	1.04±0.03
Belair 100 FM	17.6±0.4	1.35±0.03
Benson & Hedges RF	9.5±0.3	0.61±0.02
Benson & Hedges KF	15.6±0.3	1.09±0.02
Benson & Hedges 100's FHP	17.3±0.3	1.09±0.02
Benson & Hedges 100's FSP	17.4±0.4	1.08±0.02
Benson & Hedges 100's FMHP	16.8±0.3	1.06±0.01
Benson & Hedges 100's FMSP	17.5±0.3	1.10±0.02
Bull Durham KF	29.8±0.4	1.97±0.03
Camel RNF	23.9±0.5	1.56±0.03
Camel KFHP	18.6±0.3	1.25±0.03
Camel KFSP	18.5±0.3	1.28±0.02
Carlton 70's RF	0.2±0.1	0.04±0.01
Carlton KF (mixed)	2.5±0.3	0.23±0.03
Carlton KFM (mixed)	2.7±0.3	0.24±0.03
Carlton KF (2 mg)	1.3±0.1	0.13±0.02
Carlton KFM (2 mg)	0.8±0.1	0.10±0.01
Carlton KF (5 mg)	3.7±0.3	0.33±0.02
Carlton KFM (5 mg)	3.7±0.3	0.34±0.02
Chesterfield RNF	24.7±0.6	1.45±0.04
Chesterfield KNF	28.8±0.5	1.73±0.03
Chesterfield KF	18.4±0.3	1.18±0.02
Chesterfield 101 F	17.8±0.5	1.15±0.03
Dawn 120 F	20.7±0.4	1.54±0.03
Dawn 120 FM	21.7±0.4	1.64±0.03
Domino KNF	34.0±0.7	1.56±0.04
Domino KF	21.8±0.5	1.19±0.04
Doral KF	12.7±0.3	0.90±0.02
Doral KFM	11.9±0.4	0.87±0.02
Du Maurier KF	15.6±0.3	1.09±0.03
Eagle 20's KF	18.3±0.3	1.15±0.02
Eagle 20's KFM	18.6±0.4	1.19±0.03
English Ovals RNF	23.6±0.5	1.81±0.05
English Ovals KNF	30.6±0.5	2.33±0.04
Eve 100 F	16.5±0.3	1.09±0.02
Eve 100 FM	17.3±0.4	1.13±0.03
Eve 120's F	14.5±0.4	1.07±0.02
Eve 120's FM	14.9±0.3	1.07±0.02
Fact KF	14.3±0.3	1.04±0.02
Fact KFM	12.7±0.2	0.95±0.02
Fatima KNF	28.2±0.5	1.67±0.03
Galaxy KF	15.2±0.2	0.98±0.02
Half & Half KF	24.9±0.3	1.87±0.03
Herbert Tareyton KNF	28.4±0.5	1.85±0.04
Home Run RNF	20.9±0.5	1.63±0.03
Iceberg 100's FM	8.8±0.2	0.68±0.03
Kent KFHP	15.0±0.3	0.94±0.02
Kent KFSP	15.9±0.2	1.02±0.02
Kent 100 F	18.0±0.3	1.16±0.02
Kent 100 FM	16.5±0.3	1.09±0.02

<u>BRAND</u>	<u>Tar mg/cigt.</u>	<u>Nicotine mg/cigt.</u>
Kent Golden Lights KF	8.3±0.3	0.67±0.03
King Sano KF	7.0±0.3	0.39±0.01
King Sano KFM	7.4±0.4	0.37±0.02
Kool RNFM	21.4±0.8	1.34±0.04
Kool KFMHP	17.1±0.3	1.40±0.03
Kool KFMSP	16.8±0.3	1.38±0.02
Kool 100 FM	18.0±0.4	1.37±0.03
Kool Milds KFM	13.6±0.2	0.93±0.02
L & M KFHP	16.5±0.3	1.03±0.02
L & M KFSP	18.5±0.3	1.17±0.02
L & M 100 F	17.7±0.4	1.16±0.03
L & M 100 FM	18.1±0.4	1.16±0.03
L. T. Brown 120 F	19.1±0.5	1.49±0.02
L. T. Brown 120 FM	19.5±0.3	1.47±0.03
Lark KF	17.5±0.3	1.16±0.03
Lark 100 F	19.4±0.3	1.28±0.02
Long Johns 120 F	18.6±0.4	1.46±0.02
Long Johns 120 FM	15.8±0.3	1.29±0.03
Lucky Strike RNF	25.4±0.4	1.56±0.03
Lucky Strike Filter KF	25.2±0.4	1.65±0.02
Lucky Ten KF	9.3±0.2	0.68±0.02
Lucky 100's F	9.0±0.3	0.68±0.01
Mapleton RNF	28.0±0.4	1.34±0.03
Mapleton KF	21.5±0.5	1.14±0.03
Marlboro KFHP	17.1±0.3	1.06±0.02
Marlboro KFSP	18.2±0.4	1.12±0.02
Marlboro KFMHP	14.1±0.2	0.80±0.02
Marlboro KFMSP	14.6±0.2	0.88±0.02
Marlboro 100 FHP	17.8±0.3	1.12±0.02
Marlboro 100 FSP	17.5±0.3	1.12±0.02
Marlboro Lights KF	13.5±0.3	0.86±0.02
Max 120 F	16.3±0.5	1.26±0.04
Max 120 FM	16.4±0.3	1.23±0.02
Merit KF	8.3±0.2	0.58±0.01
Merit KFM	8.3±0.2	0.58±0.01
Miyako KF	14.5±0.3	0.98±0.03
Montclair KFM	18.1±0.5	1.32±0.04
More 120 F	21.8±0.5	1.61±0.04
More 120 FM	22.5±0.4	1.73±0.04
Multifilter KF	12.9±0.4	0.86±0.02
Multifilter KFM	10.7±0.2	0.71±0.02
Newport KFMHP	17.6±0.3	1.24±0.03
Newport KFMSP	18.1±0.5	1.29±0.03
Newport 100 FM	19.5±0.4	1.44±0.03
Now KF	1.6±0.1	0.15±0.01
Now KFM	1.7±0.2	0.15±0.01
Oasis KFM	18.5±0.4	1.15±0.02
Old Gold Straights RNF	19.7±0.4	1.19±0.03
Old Gold Straights KNF	24.4±0.3	1.48±0.03
Old Gold Filters KFHP	16.6±0.2	1.25±0.02
Old Gold Filters KFSP	17.1±0.4	1.12±0.03
Old Gold 100's F	20.5±0.4	1.37±0.03
Pall Mall KNF	27.1±0.5	1.73±0.03

<u>BRAND</u>	<u>Tar mg/cigt.</u>	<u>Nicotine mg/cigt.</u>
Pall Mall KFHP	23.6±0.4	1.61±0.02
Pall Mall KFSP	18.3±0.3	1.27±0.02
Pall Mall 100 F	18.9±0.3	1.44±0.02
Pall Mall 100 FM	15.5±0.3	1.21±0.02
Pall Mall Extra Mild KFHP	7.6±0.2	0.65±0.01
Pall Mall Extra Mild KFSP	9.8±0.3	0.74±0.02
Parliament KFHP	14.0±0.2	0.82±0.02
Parliament KFSP	14.7±0.2	0.86±0.02
Parliament 100 F	15.9±0.4	0.98±0.03
Philip Morris RNF	20.8±0.4	1.16±0.04
Philip Morris Commander KNF	25.3±0.4	1.46±0.03
Philip Morris Int. 100 F	17.9±0.3	1.13±0.02
Philip Morris Int. 100 FM	16.6±0.2	1.01±0.02
Phoenix 120 F	19.5±0.5	1.34±0.05
Phoenix 120 FM	19.4±0.5	1.32±0.04
Picayune RNF	20.7±0.4	1.59±0.03
Piedmont RNF	25.7±0.4	1.46±0.04
Players RNF	35.0±0.5	2.48±0.07
Raleigh KNF	25.5±0.6	1.57±0.04
Raleigh KF	15.9±0.3	1.11±0.03
Raleigh 100 F	18.0±0.4	1.30±0.04
Raleigh Extra Mild KF	13.7±0.3	1.02±0.03
St. Moritz 100 F	17.3±0.4	1.14±0.03
St. Moritz 100 FM	17.5±0.2	1.13±0.02
Salem KFMHP	18.9±0.3	1.26±0.04
Salem KFMSF	18.2±0.4	1.20±0.02
Salem 100 FM	18.2±0.3	1.28±0.02
Salem Lights KFM	11.6±0.3	0.82±0.04
Sano RNF	18.4±0.4	0.69±0.02
Saratoga 120 F	16.2±0.3	1.06±0.02
Saratoga 120 FM	16.9±0.3	1.09±0.02
Silva Thins 100 F	16.1±0.2	1.26±0.02
Silva Thins 100 FM	15.3±0.4	1.15±0.03
Spring 100's FM	18.1±0.4	1.04±0.03
Stratford KNF	29.2±0.4	1.13±0.03
Stratford KF	25.2±0.4	1.36±0.03
Super M 100 FM	16.7±0.3	1.21±0.02
Tall 120 F	20.9±0.4	1.64±0.03
Tall 120 FM	18.2±0.5	1.52±0.05
Tareyton KF	20.1±0.3	1.42±0.02
Tareyton 100 F	19.3±0.4	1.41±0.03
Tempo KF	8.1±0.4	0.60±0.03
True KF	11.1±0.3	0.68±0.02
True KFM	11.1±0.2	0.68±0.02
True 100's F	13.7±0.3	0.84±0.04
True 100's FM	13.2±0.3	0.81±0.02
Twist 100 FM	17.0±0.3	1.34±0.02
Vanguard KF	15.7±0.4	1.09±0.03
Vantage KF	10.8±0.3	0.74±0.01
Vantage KFM	10.7±0.2	0.78±0.01
Vello KF	10.5±0.3	0.74±0.02
Vello KFM	9.9±0.2	0.71±0.01

<u>BRAND</u>	<u>Tar mg/cigt.</u>	<u>Nicotine mg/cigt.</u>
Viceroy KF	15.6±0.2	1.09±0.02
Viceroy 100 F	17.7±0.4	1.29±0.03
Viceroy Extra Mild KF	13.5±0.3	1.03±0.02
Virginia Slims 100 F	15.9±0.2	0.98±0.02
Virginia Slims 100 FM	15.7±0.2	0.96±0.02
Virginia Slims 120 F	17.1±0.5	1.11±0.03
Virginia Slims 120 FM	14.8±0.7	1.03±0.01
Winston KFHP	19.5±0.4	1.29±0.03
Winston KFSP	19.0±0.3	1.30±0.02
Winston 100 F	18.8±0.3	1.31±0.03
Winston 100 FM	18.2±0.2	1.26±0.02
Winston Lights KF	13.0±0.3	0.94±0.02
Zack KFHP	17.8±0.3	1.23±0.02
Zack KFSP	17.6±0.2	1.26±0.02
Zack KFM	16.8±0.2	1.21±0.02

TAR AND NICOTINE VALUES  
BY TAR RANK



PM3000763492

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<u>BRAND</u>	<u>Tar mg/cigt.</u>	<u>Nicotine mg/cigt.</u>
Carlton 70's RF	0.2±0.1	0.04±0.01
Carlton KFM (2 mg)	0.8±0.1	0.10±0.01
Carlton KF (2 mg)	1.3±0.1	0.13±0.02
Now KF	1.6±0.1	0.15±0.01
Now KFM	1.7±0.2	0.15±0.01
Carlton KF (mixed)	2.5±0.3	0.23±0.03
Carlton KFM (mixed)	2.7±0.3	0.24±0.03
Carlton KF (5 mg)	3.7±0.3	0.33±0.02
Carlton KFM (5 mg)	3.7±0.3	0.34±0.02
King Sano KF	7.0±0.3	0.39±0.01
King Sano KFM	7.4±0.4	0.37±0.02
Pall Mall Extra Mild KFHP	7.6±0.2	0.65±0.01
Tempo KF	8.1±0.4	0.60±0.03
Kent Golden Lights KF	8.3±0.3	0.67±0.03
Merit KF	8.3±0.2	0.58±0.01
Merit KFM	8.3±0.2	0.58±0.01
Iceberg 100's FM	8.8±0.2	0.68±0.03
Lucky 100's F	9.0±0.3	0.68±0.01
Lucky Ten KF	9.3±0.2	0.68±0.02
Benson & Hedges RF	9.5±0.3	0.61±0.02
Pall Mall Extra Mild KFSP	9.8±0.3	0.74±0.02
Vello KFM	9.9±0.2	0.71±0.01
Vello KF	10.5±0.3	0.74±0.02
Multifilter KFM	10.7±0.2	0.71±0.02
Vantage KFM	10.7±0.2	0.78±0.01
Vantage KF	10.8±0.3	0.74±0.01
True KF	11.1±0.3	0.68±0.02
True KFM	11.1±0.2	0.68±0.02
Salem Lights KFM	11.6±0.3	0.82±0.04
Doral KFM	11.9±0.4	0.87±0.02
Fact KFM	12.7±0.2	0.95±0.02
Doral KF	12.7±0.3	0.90±0.02
Multifilter KF	12.9±0.4	0.86±0.02
Winston Lights KF	13.0±0.3	0.94±0.02
True 100's FM	13.2±0.3	0.81±0.02
Marlboro Lights KF	13.5±0.3	0.86±0.02
Viceroy Extra Mild KF	13.5±0.3	1.03±0.02
Kool Milds KFM	13.6±0.2	0.93±0.02
Raleigh Extra Mild KF	13.7±0.3	1.02±0.03
True 100's F	13.7±0.3	0.84±0.04
Parliament KFHP	14.0±0.2	0.82±0.02
Marlboro KFMHP	14.1±0.2	0.80±0.02
Fact KF	14.3±0.3	1.04±0.02
Eve 120's F	14.5±0.4	1.07±0.02
Miyako KF	14.5±0.3	0.98±0.03
Alpine KFM	14.6±0.2	0.89±0.02
Marlboro KFMSF	14.6±0.2	0.88±0.02
Belair KFM	14.6±0.2	1.04±0.03
Parliament KFSP	14.7±0.2	0.86±0.02
Virginia Slims 120 FM	14.8±0.7	1.03±0.01



<u>BRAND</u>	<u>Tar mg/cigt.</u>	<u>Nicotine mg/cigt.</u>
Eve 120's FM	14.9±0.3	1.07±0.02
Kent KFHP	15.0±0.3	0.94±0.02
Galaxy KF	15.2±0.2	0.98±0.02
Silva Thins 100 FM	15.3±0.4	1.15±0.03
Pall Mall 100 FM	15.5±0.3	1.21±0.02
Benson & Hedges KF	15.6±0.3	1.09±0.02
Du Maurier KF	15.6±0.3	1.09±0.03
Viceroy KF	15.6±0.2	1.09±0.02
Virginia Slims 100 FM	15.7±0.2	0.96±0.02
Vanguard KF	15.7±0.4	1.09±0.03
Long Johns 120 FM	15.8±0.3	1.29±0.03
Virginia Slims 100 F	15.9±0.2	0.98±0.02
Kent KFSP	15.9±0.2	1.02±0.02
Raleigh KF	15.9±0.3	1.11±0.03
Parliament 100 F	15.9±0.4	0.98±0.03
Silva Thins 100 F	16.1±0.2	1.26±0.02
Saratoga 120 F	16.2±0.3	1.06±0.02
Max 120 F	16.3±0.5	1.26±0.04
Max 120 FM	16.4±0.3	1.23±0.02
Kent 100 FM	16.5±0.3	1.09±0.02
Eve 100 F	16.5±0.3	1.09±0.02
L & M KFHP	16.5±0.3	1.03±0.02
Philip Morris Int. 100 FM	16.6±0.2	1.01±0.02
Old Gold Filters KFHP	16.6±0.2	1.25±0.02
Super M 100 FM	16.7±0.3	1.21±0.02
Kool KFMSF	16.8±0.3	1.38±0.02
Benson & Hedges 100's FMHP	16.8±0.3	1.06±0.01
Zack KFM	16.8±0.2	1.21±0.02
American Longs 120 FM	16.9±0.7	1.33±0.04
Saratoga 120 FM	16.9±0.3	1.09±0.02
Twist 100 FM	17.0±0.3	1.34±0.02
Marlboro KFHP	17.1±0.3	1.06±0.02
Kool KFMHP	17.1±0.3	1.40±0.03
Old Gold Filters KFSP	17.1±0.4	1.12±0.03
Virginia Slims 120 F	17.1±0.5	1.11±0.03
Eve 100 FM	17.3±0.4	1.13±0.03
St. Moritz 100 F	17.3±0.4	1.14±0.03
Benson & Hedges 100's FHP	17.3±0.3	1.09±0.02
Benson & Hedges 100's FSP	17.4±0.4	1.08±0.02
St. Moritz 100 FM	17.5±0.2	1.13±0.02
Lark KF	17.5±0.3	1.16±0.03
Benson & Hedges 100's FMSP	17.5±0.3	1.10±0.02
Marlboro 100 FSP	17.5±0.3	1.12±0.02
Belair 100 FM	17.6±0.4	1.35±0.03
Zack KFSP	17.6±0.2	1.26±0.02
Newport KFMHP	17.6±0.3	1.24±0.03
L & M 100 F	17.7±0.4	1.16±0.03
Viceroy 100 F	17.7±0.4	1.29±0.03
Marlboro 100 FHP	17.8±0.3	1.12±0.02
Chesterfield 101 F	17.8±0.5	1.15±0.03

<u>BRAND</u>	<u>Tar mg/cigt.</u>	<u>Nicotine mg/cigt.</u>
Zack KFHP	17.8±0.3	1.23±0.02
Philip Morris Int. 100 F	17.9±0.3	1.13±0.02
Raleigh 100 F	18.0±0.4	1.30±0.04
Kool 100 FM	18.0±0.4	1.37±0.03
Kent 100 F	18.0±0.3	1.16±0.02
Spring 100's FM	18.1±0.4	1.04±0.03
Newport KFMSP	18.1±0.5	1.29±0.03
Montclair KFM	18.1±0.5	1.32±0.04
L & M 100 FM	18.1±0.4	1.16±0.03
Salem KFMSP	18.2±0.4	1.20±0.02
Tall 120 FM	18.2±0.5	1.52±0.05
Salem 100 FM	18.2±0.3	1.28±0.02
Winston 100 FM	18.2±0.2	1.26±0.02
Marlboro KFSP	18.2±0.4	1.12±0.02
Pall Mall KFSP	18.3±0.3	1.27±0.02
Eagle 20's KF	18.3±0.3	1.15±0.02
Sano RNF	18.4±0.4	0.69±0.02
Chesterfield KF	18.4±0.3	1.18±0.02
L & M KFSP	18.5±0.3	1.17±0.02
Camel KFSP	18.5±0.3	1.28±0.02
Oasis KFM	18.5±0.4	1.15±0.02
Camel KFHP	18.6±0.3	1.25±0.03
Long Johns 120 F	18.6±0.4	1.46±0.02
Eagle 20's KFM	18.6±0.4	1.19±0.03
Winston 100 F	18.8±0.3	1.31±0.03
Salem KFMHP	18.9±0.3	1.26±0.04
Pall Mall 100 F	18.9±0.3	1.44±0.02
Winston KFSP	19.0±0.3	1.30±0.02
L. T. Brown 120 F	19.1±0.5	1.49±0.02
Tareyton 100 F	19.3±0.4	1.41±0.03
Phoenix 120 FM	19.4±0.5	1.32±0.04
Lark 100 F	19.4±0.3	1.28±0.02
L. T. Brown 120 FM	19.5±0.3	1.47±0.03
American Longs 120 F	19.5±0.5	1.52±0.04
Winston KFHP	19.5±0.4	1.29±0.03
Phoenix 120 F	19.5±0.5	1.34±0.05
Newport 100 FM	19.5±0.4	1.44±0.03
Old Gold Straights RNF	19.7±0.4	1.19±0.03
Tareyton KF	20.1±0.3	1.42±0.02
Old Gold 100's F	20.5±0.4	1.37±0.03
Dawn 120 F	20.7±0.4	1.54±0.03
Picayune RNF	20.7±0.4	1.59±0.03
Philip Morris RNF	20.8±0.4	1.16±0.04
Tall 120 F	20.9±0.4	1.64±0.03
Home Run RNF	20.9±0.5	1.63±0.03
Kool RNFM	21.4±0.8	1.34±0.04
Mapleton KF	21.5±0.5	1.14±0.03
Dawn 120 FM	21.7±0.4	1.64±0.03
Domino KF	21.8±0.5	1.19±0.04
More 120 F	21.8±0.5	1.61±0.04

<u>BRAND</u>	<u>Tar mg/cigt.</u>	<u>Nicotine mg/cigt.</u>
More 120 FM	22.5±0.4	1.73±0.04
English Ovals RNF	23.6±0.5	1.81±0.05
Pall Mall KFHP	23.6±0.4	1.61±0.02
Camel RNF	23.9±0.5	1.56±0.03
Old Gold Straights KNF	24.4±0.3	1.48±0.03
Chesterfield RNF	24.7±0.6	1.45±0.04
Half & Half KF	24.9±0.3	1.87±0.03
Lucky Strike Filter KF	25.2±0.4	1.65±0.02
Stratford KF	25.2±0.4	1.36±0.03
Philip Morris Commander KNF	25.3±0.4	1.46±0.03
Lucky Strike RNF	25.4±0.4	1.56±0.03
Raleigh KNF	25.5±0.6	1.57±0.04
Piedmont RNF	25.7±0.4	1.46±0.04
Pall Mall KNF	27.1±0.5	1.73±0.03
Mapleton RNF	28.0±0.4	1.34±0.03
Fatima KNF	28.2±0.5	1.67±0.03
Herbert Tareyton KNF	28.4±0.5	1.85±0.04
Chesterfield KNF	28.8±0.5	1.73±0.03
Stratford KNF	29.2±0.4	1.13±0.03
Bull Durham KF	29.8±0.4	1.97±0.03
English Ovals KNF	30.6±0.5	2.33±0.04
Domino KNF	34.0±0.7	1.56±0.04
Players RNF	35.0±0.5	2.48±0.07

TAR AND NICOTINE VALUES  
BY NICOTINE RANK

PM3000763497

<u>BRAND</u>	<u>Tar mg/cigt.</u>	<u>Nicotine mg/cigt.</u>
Carlton 70's RF	0.2±0.1	0.04±0.01
Carlton KFM (2 mg)	0.8±0.1	0.10±0.01
Carlton KF (2 mg)	1.3±0.1	0.13±0.02
Now KFM	1.7±0.2	0.15±0.01
Now KF	1.6±0.1	0.15±0.01
Carlton KF (mixed)	2.5±0.3	0.23±0.03
Carlton KFM (mixed)	2.7±0.3	0.24±0.03
Carlton KF (5 mg)	3.7±0.3	0.33±0.02
Carlton KFM (5 mg)	3.7±0.3	0.34±0.02
King Sano KFM	7.4±0.4	0.37±0.02
King Sano KF	7.0±0.3	0.39±0.01
Merit KF	8.3±0.2	0.58±0.01
Merit KFM	8.3±0.2	0.58±0.01
Tempo KF	8.1±0.4	0.60±0.03
Benson & Hedges RF	9.5±0.3	0.61±0.02
Pall Mall Extra Mild KFHP	7.6±0.2	0.65±0.01
Kent Golden Lights KF	8.3±0.3	0.67±0.03
Iceberg 100's FM	8.8±0.2	0.68±0.03
Lucky Ten KF	9.3±0.2	0.68±0.02
Lucky 100's F	9.0±0.3	0.68±0.01
True KFM	11.1±0.2	0.68±0.02
True KF	11.1±0.3	0.68±0.02
Sano RNF	18.4±0.4	0.69±0.02
Multifilter KFM	10.7±0.2	0.71±0.02
Vello KFM	9.9±0.2	0.71±0.01
Vello KF	10.5±0.3	0.74±0.02
Pall Mall Extra Mild KFSP	9.8±0.3	0.74±0.02
Vantage KF	10.8±0.3	0.74±0.01
Vantage KFM	10.7±0.2	0.78±0.01
Marlboro KFMHP	14.1±0.2	0.80±0.02
True 100's FM	13.2±0.3	0.81±0.02
Salem Lights KFM	11.6±0.3	0.82±0.04
Parliament KFHP	14.0±0.2	0.82±0.02
True 100's F	13.7±0.3	0.84±0.04
Multifilter KF	12.9±0.4	0.86±0.02
Marlboro Lights KF	13.5±0.3	0.86±0.02
Parliament KFSP	14.7±0.2	0.86±0.02
Doral KFM	11.9±0.4	0.87±0.02
Marlboro KFMSF	14.6±0.2	0.88±0.02
Alpine KFM	14.6±0.2	0.89±0.02
Doral KF	12.7±0.3	0.90±0.02
Kool Milds KFM	13.6±0.2	0.93±0.02
Kent KFHP	15.0±0.3	0.94±0.02
Winston Lights KF	13.0±0.3	0.94±0.02
Fact KFM	12.7±0.2	0.95±0.02
Virginia Slims 100 FM	15.7±0.2	0.96±0.02
Miyako KF	14.5±0.3	0.98±0.03
Virginia Slims 100 F	15.9±0.2	0.98±0.02
Parliament 100 F	15.9±0.4	0.98±0.03
Galaxy KF	15.2±0.2	0.98±0.02

<u>BRAND</u>	<u>Tar mg/cigt.</u>	<u>Nicotine mg/cigt.</u>
Philip Morris Int. 100 FM	16.6±0.2	1.01±0.02
Kent KFSP	15.9±0.2	1.02±0.02
Raleigh Extra Mild KF	13.7±0.3	1.02±0.03
Viceroy Extra Mild KF	13.5±0.3	1.03±0.02
L & M KFHP	16.5±0.3	1.03±0.02
Virginia Slims 120 FM	14.8±0.7	1.03±0.01
Fact KF	14.3±0.3	1.04±0.02
Belair KFM	14.6±0.2	1.04±0.03
Spring 100's FM	18.1±0.4	1.04±0.03
Marlboro KFHP	17.1±0.3	1.06±0.02
Saratoga 120 F	16.2±0.3	1.06±0.02
Benson & Hedges 100's FMHP	16.8±0.3	1.06±0.01
Eve 120's F	14.5±0.4	1.07±0.02
Eve 120's FM	14.9±0.3	1.07±0.02
Benson & Hedges 100's FSP	17.4±0.4	1.08±0.02
Benson & Hedges 100's FHP	17.3±0.3	1.09±0.02
Du Maurier KF	15.6±0.3	1.09±0.03
Benson & Hedges KF	15.6±0.3	1.09±0.02
Saratoga 120 FM	16.9±0.3	1.09±0.02
Kent 100 FM	16.5±0.3	1.09±0.02
Viceroy KF	15.6±0.2	1.09±0.02
Vanguard KF	15.7±0.4	1.09±0.03
Eve 100 F	16.5±0.3	1.09±0.02
Benson & Hedges 100's FMSP	17.5±0.3	1.10±0.02
Virginia Slims 120 F	17.1±0.5	1.11±0.03
Raleigh KF	15.9±0.3	1.11±0.03
Marlboro 100 FSP	17.5±0.3	1.12±0.02
Marlboro KFSP	18.2±0.4	1.12±0.02
Old Gold Filters KFSP	17.1±0.4	1.12±0.03
Marlboro 100 FHP	17.8±0.3	1.12±0.02
Eve 100 FM	17.3±0.4	1.13±0.03
Stratford KNF	29.2±0.4	1.13±0.03
St. Moritz 100 FM	17.5±0.2	1.13±0.02
Philip Morris Int. 100 F	17.9±0.3	1.13±0.02
St. Moritz 100 F	17.3±0.4	1.14±0.03
Mapleton KF	21.5±0.5	1.14±0.03
Eagle 20's KF	18.3±0.3	1.15±0.02
Chesterfield 101 F	17.8±0.5	1.15±0.03
Silva Thins 100 FM	15.3±0.4	1.15±0.03
Oasis KFM	18.5±0.4	1.15±0.02
Lark KF	17.5±0.3	1.16±0.03
L & M 100 FM	18.1±0.4	1.16±0.03
L & M 100 F	17.7±0.4	1.16±0.03
Philip Morris RNF	20.8±0.4	1.16±0.04
Kent 100 F	18.0±0.3	1.16±0.02
L & M KFSP	18.5±0.3	1.17±0.02
Chesterfield KF	18.4±0.3	1.18±0.02
Eagle 20's KFM	18.6±0.4	1.19±0.03
Old Gold Straights RNF	19.7±0.4	1.19±0.03
Domino KF	21.8±0.5	1.19±0.04

<u>BRAND</u>	<u>Tar</u> <u>mg/cigt.</u>	<u>Nicotine</u> <u>mg/cigt.</u>
Salem KFMSF	18.2±0.4	1.20±0.02
Zack KFM	16.8±0.2	1.21±0.02
Pall Mall 100 FM	15.5±0.3	1.21±0.02
Super M 100 FM	16.7±0.3	1.21±0.02
Max 120 FM	16.4±0.3	1.23±0.02
Zack KFHP	17.8±0.3	1.23±0.02
Newport KFMSF	17.6±0.3	1.24±0.03
Camel KFHP	18.6±0.3	1.25±0.03
Old Gold Filter KFHP	16.6±0.2	1.25±0.02
Zack KFSP	17.6±0.2	1.26±0.02
Max 120 F	16.3±0.5	1.26±0.04
Salem KFMSF	18.9±0.3	1.26±0.04
Silva Thins 100 F	16.1±0.2	1.26±0.02
Winston 100 FM	18.2±0.2	1.26±0.02
Pall Mall KFSP	18.3±0.3	1.27±0.02
Camel KFSP	18.5±0.3	1.28±0.02
Lark 100 F	19.4±0.3	1.28±0.02
Salem 100 FM	18.2±0.3	1.28±0.02
Winston KFHP	19.5±0.4	1.29±0.03
Long John 120 FM	15.8±0.3	1.29±0.03
Viceroy 100 F	17.7±0.4	1.29±0.03
Newport KFMSF	18.1±0.5	1.29±0.03
Winston KFSP	19.0±0.3	1.30±0.02
Raleigh 100 F	18.0±0.4	1.30±0.04
Winston 100 F	18.8±0.3	1.31±0.03
Phoenix 120 FM	19.4±0.5	1.32±0.04
Montclair KFM	18.1±0.5	1.32±0.04
American Longs 120 FM	16.9±0.7	1.33±0.04
Twist 100 FM	17.0±0.3	1.34±0.02
Mapleton RNF	28.0±0.4	1.34±0.03
Phoenix 120 F	19.5±0.5	1.34±0.05
Kool RNFM	21.4±0.8	1.34±0.04
Belair 100 FM	17.6±0.4	1.35±0.03
Stratford KF	25.2±0.4	1.36±0.03
Kool 100 FM	18.0±0.4	1.37±0.03
Old Gold 100's F	20.5±0.4	1.37±0.03
Kool KFMSF	16.8±0.3	1.38±0.02
Kool KFMSF	17.1±0.3	1.40±0.03
Tareyton 100 F	19.3±0.4	1.41±0.03
Tareyton KF	20.1±0.3	1.42±0.02
Newport 100 FM	19.5±0.4	1.44±0.03
Pall Mall 100 F	18.9±0.3	1.44±0.02
Chesterfield RNF	24.7±0.6	1.45±0.04
Long Johns 120 F	18.6±0.4	1.46±0.02
Piedmont RNF	25.7±0.4	1.46±0.04
Philip Morris Commander KNF	25.3±0.4	1.46±0.03
L. T. Brown 120 FM	19.5±0.3	1.47±0.03
Old Gold Straights KNF	24.4±0.3	1.48±0.03
L. T. Brown 120 F	19.1±0.5	1.49±0.02
Tall 120 FM	18.2±0.5	1.52±0.05

<u>BRAND</u>	<u>Tar mg/cigt</u>	<u>Nicotine mg/cigt.</u>
American Longs 120 F	19.5±0.5	1.52±0.04
Dawn 120 F	20.7±0.4	1.54±0.03
Domino KNF	34.0±0.7	1.56±0.04
Lucky Strike RNF	25.4±0.4	1.56±0.03
Camel RNF	23.9±0.5	1.56±0.03
Raleigh KNF	25.5±0.6	1.57±0.04
Picayune RNF	20.7±0.4	1.59±0.03
Pall Mall KFHP	23.6±0.4	1.61±0.02
More 120 F	21.8±0.5	1.61±0.04
Home Run RNF	20.9±0.5	1.63±0.03
Dawn 120 FM	21.7±0.4	1.64±0.03
Tall 120 F	20.9±0.4	1.64±0.03
Lucky Strike Filter KF	25.2±0.4	1.65±0.02
Fatima KNF	28.2±0.5	1.67±0.03
More 120 FM	22.5±0.4	1.73±0.04
Chesterfield KNF	28.8±0.5	1.73±0.03
Pall Mall KNF	27.1±0.5	1.73±0.03
English Ovals RNF	23.6±0.5	1.81±0.05
Herbert Tareyton KNF	28.4±0.5	1.85±0.04
Half & Half KF	24.9±0.3	1.87±0.03
Bull Durham KF	29.8±0.4	1.97±0.03
English Ovals KNF	30.6±0.5	2.33±0.04
Players RNF	35.0±0.5	2.48±0.07